

AUDIO-SIGNAL DETECTING DEVICE

ABSTRACT OF THE DISCLOSURE

An audio-signal detecting device to be disposed in a user's earmuffs for
5 protecting his eardrums against noise of high-decibel level is comprised of a
receiving unit, a first audio-signal amplifying unit, a second audio-signal
amplifying unit, a peak-detecting and inverting unit, a first amplifying unit, a
peak-detecting unit, a first switch, a delay unit, a second amplifying unit, a second
switch, a third switch, an adjusting unit, a third audio-signal amplifying unit, and
10 an output unit. In keeping communicable with outside world, when a noise greater
than a predetermined decibel level is detected, this device is supposed to attenuate
or reject it temporarily, then, after an RC-constant time period, recover to
communicate automatically.

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